

Thurs., Oct. 14 - Linear Programming/Catch Up

Tues., Oct. 19 - Solving Systems Algebraically

DUE: Assessment Corrections, HW: "Get the Point" Worksheet

Thurs., Oct. 21 - Solving Systems Algebraically cont'd

DUE: Extended Problem, HW: Book Probs.

Mon., Oct. 25 - Review Day 1

HW: Review Problems

Wed., Oct. 27 - Review Day 2

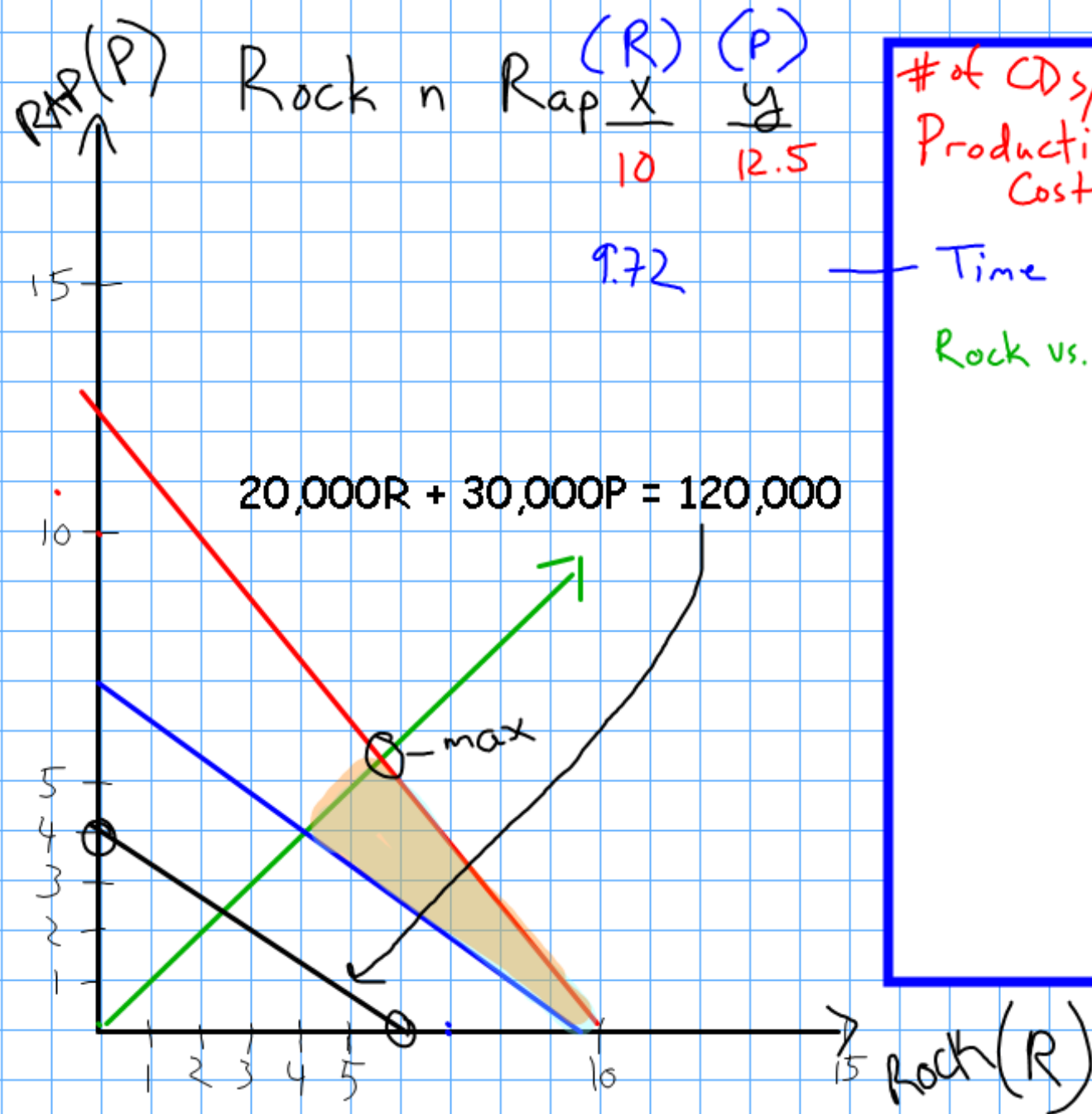
DUE: Cookies Writeup, HW: TBD

Fri., Oct. 29 - Assessment Day

Rock-n-Rap

For the constraints:

- 1) \$ cost
- 2) time to make CDs
- 3) "Would not release more rap music than rock"



of CDs/R = ROCK, $P = RAP$
 Production : $15000R + 12000P \leq 150000$
 Cost

Time : $18R + 25P \geq 175$

Rock vs. Rap : $R \geq P$

$R = P$

$P \leq R$

HOMEWORK:

1. For each of these pairs of equations, find the point of intersection of their graphs using an algebraic method. When you think you have a solution, check it by graphing or by substituting the values into the pair of equations.

a. $y = 3x$ and $y = 2x + 5$

b. $y = 4x + 5$ and $y = 3x - 7$

c. $2x + 3y = 13$ and $y = 4x + 1$

d. $7x - 3y = 31$ and $y - 5 = 3x$

e. $4x - 3y = -2$ and $2y + 3 = 3x$

Section 3.2

p. 125

2. Develop or write down general directions for finding the coordinates of the point of intersection of two equations for straight lines using an algebraic method. In developing these instructions, you may want to make up some more examples like those in Question 1, either to get ideas or to test whether your instructions work.

Make your instructions easy to follow so someone else could use them to "get the point".

Extended problem

$$\underset{p}{6}, \underset{n}{6}, \underset{d}{6} = 18 \text{ coins}$$

$$10d + 5n + 6 = \underbrace{0}_{\text{nickels}} + \underbrace{1}_{\text{pennies}} + \underbrace{60}_{\text{dimes}}$$

in terms of
d or n